

Yorkshire Dales National Park

Forecast valid from 00:00 on Friday 29 Dec 2023 until 23:59 on Saturday 30 Dec 2023

Forecast Issued on Thursday 28 Dec 2023 at 11:53

Confidence: High for unsettled and often windy conditions through this period. Lower for rain or snow details and freezing levels.

Headline for Friday 29 Dec 2023: Spells of rain or snow. Windy.

Mountain weather hazards on Friday 29 Dec 2023

Blizzards

No Likelihood

Gales

Low Likelihood

Thunderstorms

Low Likelihood

Heavy persistent snow

No Likelihood

Severe chill effect

Medium Likelihood

Heavy persistent rain

No Likelihood

Storm force winds

No Likelihood

Poor visibility

Medium Likelihood

Strong sunlight

No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
							
Sleet	Sleet	Sleet	Sleet	Sleet	Sleet	Heavy snow showers (night)	Heavy snow showers (night)
Precipitation probability							
60%	60%	60%	60%	60%	60%	40%	40%

Forecast for Friday 29 Dec 2023

Weather: Mostly cloudy with showery outbreaks of rain, falling as snow above 700m at first but lowering to 500m during the afternoon. Some of the showers could be heavy, especially in the afternoon and evening, with a small chance of lightning.

Chance of cloud-free hill tops above 600m: 40%. Best chance in east.

Low Cloud and visibility: Frequent cloud above 600m, with some patches down to 400m. Cloud rising to higher slopes for longer spells over eastern hills. Away from cloud, mainly good visibility but occasionally poor in rain and down to a few hundred metres in snow.

Forecast for Friday 29 Dec 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	32/47 SW	34/49 SW	33/48 W	30/45 W	26/38 W	22/33 W	18/26 W	15/23 W	14/21 W
300	21/44 SW	22/46 SW	21/44 W	21/41 W	18/36 W	15/31 W	11/25 W	10/22 W	9/20 W
Valley	20/43 SW	20/42 SW	20/42 W	17/36 W	15/31 W	12/27 W	11/24 W	8/19 W	5/12 W

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	3/-5	2/-6	2/-6	2/-6	2/-6	1/-6	0/-6	-0/-6	-0/-6
300	5/-0	4/-1	4/-1	4/-2	4/-1	3/-2	2/-2	2/-2	2/-2
Valley	6/2	6/1	6/1	6/1	6/2	5/1	4/-0	3/0	3/1
Freezing Level*	1000m	900m	800m	800m	700m	700m	600m	600m	600m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

A bitterly cold day on the tops with frequent sleet or snow showers.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Thu 28 Dec 2023	17.2mm	52.2mm	55.4mm

Forecast for Saturday 30 Dec 2023

Weather: Wintry showers dying out overnight. A dry start but sleet or snow will soon spread in from the southwest in the morning, turning to rain at all levels. This turning heavy for a while then clearing east in the afternoon followed by blustery showers, falling as snow above 600m.

Maximum wind: South or southeast 10-15mph increasing 30 to 40mph gust 55mph, easing slightly in afternoon.

Chance of cloud-free hill tops above 600m: 90% early morning but soon becoming 20% or less.

Low Cloud and visibility: Good visibility early morning but quickly worsening as sleet or snow arrives, becoming poor with extensive cloud above 500m. Cloud lifting and breaking in the afternoon but some patches down to 500m in showers.

Temperature: **Valleys:** Plus 1C rising to 7C.
At 600m: Minus 1C rising to Plus 3C in afternoon.
Freezing level: 500m rising above summits in afternoon.